IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Mary Ann Copas, Secretary

In the Reissue Application of Paul Uitenbroek

Patent Number:

6,360,719

Issued:

March 26, 2002

For:

CHARGE CONTROL APPARATUS FOR CONTROLLING THE

OPERATION OF A RECIPROCATING INTERNAL COMBUSTION ENGINE AND METHOD FOR CONTROLLING THE OPERATION OF

A RECIPROCATING INTERNAL COMBUSTION ENGINE

Art Unit:

3747

Examiner:

Erick R. Solis

Commissioner for Patents
Alexandria VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

In accordance with 37 CFR § 1.56, Applicant wishes to call the attention of the Examiner to the following references:

- 1) US 4,484,556
- 2) US 4,913,114
- 3) US 5,105,784
- 4) US 5,205,245
- 5) US 5,255,648
- 6) US 5,477,840
- 7) US 5,867,986
- 8) US 6,055,953
- 9) EP 0 718 481
- 10) DE 29 38 118
- 11) JP 59-126031
- 12) Walzer, Peter et al article, 1986

References 1 through 8 are in the English language and require no further

discussion. In accordance with USPTO rules, copies are not included with this Information

Disclosure Statement.

References 9 through 11 were cited as "A" references in the International Search

Report during the International phase of this application. Because the IB has already

provided a copy of the International application file to the USPTO, copies of these references

should be in the file and thus additional copies are not enclosed.

Reference 12 was not cited in the International Search Report. A copy of the

reference with the English abstract is enclosed. Further to the enclosed reference 12,

referring to Figure 5, an internal combustion engine is shown with an intake valve and a

rotary valve disposed in the intake conduit. The rotary valve is driven by the camshaft. A

phase shifter is disposed between the camshaft and the rotary valve, such that the phase

between the opening/closing of the rotary valve and the intake valve can be changed.

However, the rotational speed of the rotary valve will always correspond to the rotary speed

of the camshaft. Thus, the opening duration of the rotary valve, measured as a rotational

angle relative to the rotation of the camshaft or crankshaft, cannot be changed.

At full throttle, the opening/closing of the rotary valve is matched to correspond to the

opening/closing of the intake valve. At partial throttle, the phase of the rotary valve is shifted

with respect to the intake valve, such that the rotary valve closes the intake conduit before

the intake valve closes.

Submitted herewith is a copy of the form PTO-1449 and reference 12.

It is respectfully requested that any fees required and not enclosed herewith or any

shortages in any fees be charged to Deposit Account 02-1653.

Consideration of the foregoing in relation to this application is respectfully requested.

Respectfully submitted,

Robert Coch

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Enclosures: PTO 1449 / one reference

- 2 -

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Complete if Known			
	Patent Number	6,360,719		
	Issue Date	March 26, 2002		
	First Named Inventor	Paul Uitenbroek		
	Group Art Unit	3747		
	Examiner Name	Erick R. Solis		
	Attorney Docket No.	98/07179Reissue		

	T		T. 5.	15	Class	Subclass	Filing Date
Examiner	Cite	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date
Initials	No.	Pub. Number	Pub. Date				
	1	4,484,556	11/27/84	Okimoto et al			12/13/82
	2	4,913,114	4/3/90	Kalippke et al			3/15/89
<u>-</u>	3	5,105,784	4/3/90	Kalippke et al			4/8/91
	4	5,205,245	4/27/93	Flack et al			5/30/91
	5	5,255,648	10/26/93	Hokazono et al			5/15/92
	6	5,477,840	12/26/95	Neumann			8/28/94
	7	5,867,986	2/9/99	Buratti et al			2/9/99
	8	6,055,953	5/2/00	Weickel et al			8/18/97

FOREIGN PATENT DOCUMENTS							
Examiner	Cite	Document	Publication	Country or Patent	Class	Subclass	Translation
Initials	No.	Number	Date	Office			
							Yes No
	9	EP 0 718 481	6/26/96	Europe			x
	10	DE 29 38 118	4/4/81	Germany			x
	11	JP 59-126031	11/15/84	Japan			х

OTHER PRIOR ART B NON PATENT LITERATURE DOCUMENTS					
Examiner	Cite				
Initials	No.				
	12	Walzer, Peter et al., "Variable Steuerzeiten und variable Verdichtung beim Ottomotor", MTZ Motortechnishe Zeitschrift 47 (1986) 1, pp. 15 - 20			

Examiner	Date	